

Divisibility Rules

- 1) Identify and use divisibility rules

Assessment limit: Use the rules for 2, 5, or 10 with whole numbers (0 – 1000)

Lesson objectives

Teachers' notes

Subject: Mathematics

Topic: Apply Number Relationships

Grade(s): 4

Prior knowledge: even and odd numbers

Cross-curricular link(s): n/a

Lesson notes:

This is a whole group lesson to introduce divisibility rules.

Lesson objectives

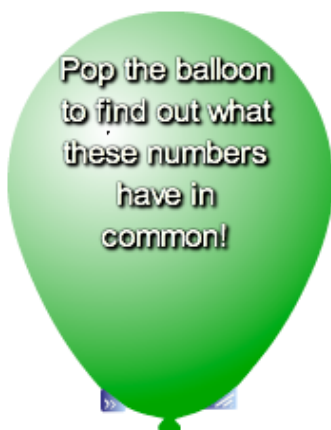
Teachers' notes

Explore the numbers
to come up with a
rule for divisibility.

What do
you notice
about the
numbers

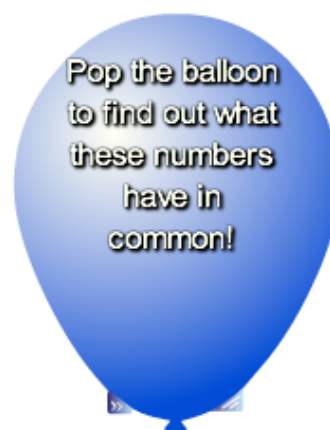
The following numbers
are divisible by 2.

124
246
420
538
366
912
678
754



The following numbers
are NOT divisible by 2.

421
345
527
131
363
919
273
757



Edit

Reset

?

Divisible by 2

NOT Divisible by 2

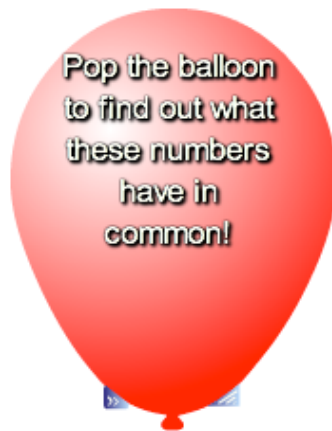
643	200	947	754
495	542	102	284

Explore the numbers
to come up with a
rule for divisibility.

What do
you notice
about the
numbers

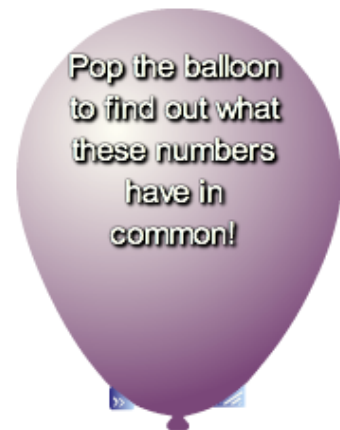
The following numbers
are divisible by 5.

125
245
420
535
360
910
675
750



The following numbers
are NOT divisible by 5.

421
333
527
231
363
919
273
157



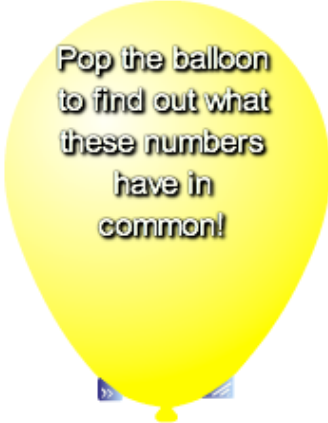
Divisible by 5				NOT Divisible by 5			
453	594	205	456				
935	128	456	789				

Explore the numbers
to come up with a
rule for divisibility.

What do
you notice
about the
numbers

The following numbers
are divisible by 10.

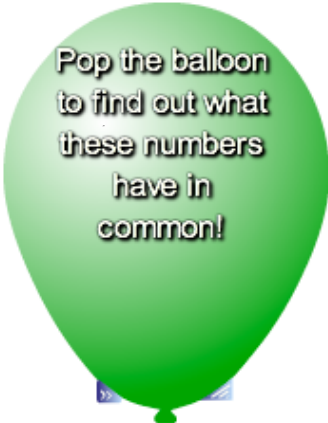
520
640
220
530
460
910
370
750



Pop the balloon
to find out what
these numbers
have in
common!

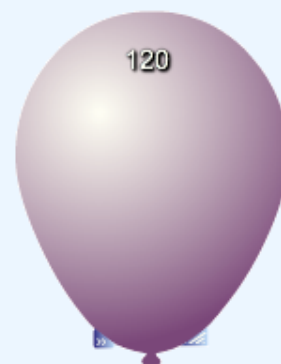
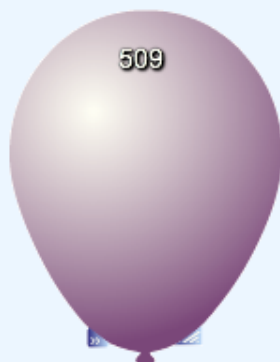
The following numbers
are NOT divisible by 10.

424
331
527
231
362
915
276
157



Pop the balloon
to find out what
these numbers
have in
common!

Pop the balloons that are
divisible by 10?



Press the balloons to pop them.



Complete the venn diagram. Drag the number to the appropriate circle.

